

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

lication No.

Not Assigned Yet

Confirmation No. Not Assigned Yet

First Name Inventor

Mark D. Riggins

Filed:

April 8, 1997

TC/A.U.

Not Assigned Yet

Examiner

Not Assigned Yet

Attorney Docket No.:

25587-033-004

Customer No.

36614

For

System and Method for Enabling Secure Access to Services in a

Computer Network

Mail Stop: 313(c) Office of Petitions

Commissioner for Patent Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)

Enclosed is a copy of the Information Disclosure Statement Citation Form PTO/SB/08A and Form PTO/SB/08B together with copies of the documents cited on that form pursuant to 37 C.F.R. § 1.98(2). It is respectfully requested that the cited documents be considered and that the enclosed copy of the Information Disclosure Statement Form PTO/SB/08A and Form PTO/SB/08B be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

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Attorney Docket No. 25587-033-004

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited for this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

<u>x</u> 37 C.F.R. § 1.97(b) (4).

The Commissioner is hereby authorized to charge any additional fees to Manatt, Phelps & Phillips' Deposit Account No. 50-1847 or to credit any overpayment to the same for all matters during the prosecution of the subject application.

Respectfully submitted,

MANATT, PHELPS & PHILLIPS Attorneys for Applicants

Date: January **25**,2006

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S	ubstitute for forr	n 1449A/F	TO Q 48	Complete	e if Known
			/	Application Number	08/841,950
I	NFORMATION	ON DIS	CLOSURE 2006	Filing Date	04/08/1997
9	TATEMEN ¹	TBY AF	PPLICANT JAN 27 2006	First Named Inventor	Riggins, Mark D.
				Art Unit	2135
	(Use as n	nany sheets	s as necessary	Examiner Name	Truong, Thanhnga B.
Sheet	1	of	18	Attorney Docket Number	25587-033-004

• •			U.S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-4652698	03-24-1987	Hale et al.	1.94.45.1454
	B1	US-4714995	12-22-1987	Materna et al.	
	C1	US-4882752	11-21-1989	Lindman et al.	
	D1	US-4897781	01-30-1990	Chang et al.	
	E1	US-4916738	04-10-1990	Chandra et al.	
	Fl	US-5048085	09-10-1991	Abraham et al.	
	G1	US-5150407	09-22-1992	Chan	
	H1	US-5220603	06-15-1993	Parker	
	J1	US-5265159	11-23-1993	Kung	
	K1	US-5333266	07-26-1994	Boaz et al.	
	L1	US-5373559	12-13-1994	Kaufman et al.	
	M1	US-5388255	02-07-1995	Pytlik	
	N1	US-5392390	02-21-1995	Crozier	
	01	US-5420927	05-30-1995	Micali	
	P1	US-5425102	06-13-1995	Moy	
	Q1	US-5434918	07-18-1995	Kung et al.	
	R1	US-5483596	01-09-1996	Rosenow et al.	
	S1	US-5491752	02-13-1996	Kaufman et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	-u 1		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	- 6		
	Cite No.1	Country	Code ³ Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<u>'</u>		
	T1	CA	2191505	06-30-1997	Jones				
***	U1	WO	97/24678	07-10-1997	Tso				
	V1	CA	2210763	01-17-1999	Kou				
	W1	EP	0801478	10-15-1997	Matyas et al.				
	X1	WO	97/04389	02-06-1997	Collins et al.				

Examiner Signature	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08a (08-03)
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(Use as many sheets as necessary)				Examiner Name	Truong, Thanhnga B.		
Sheet	2	of	18	Attorney Docket Number	25587-033-004		

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****	A2	US-5495533	02-27-1996	Linehan et al.	
	B2	US-5510777	04-23-1996	Pilc et al.	
	C2	US-5544320	08-06-1996	Konrad	
	D2	US-5544322	05-09-1994	Cheng et al.	
	E2	US-5572643	11-05-1996	Judson	
	F2	US-5588132	12-24-1996	Cardoza	
	G2	US-5604788	02-18-1997	Tett	
	H2	US-5623601	04-22-1997	Vu	
	J2	US-5627997	05-06-1997	Bray et al.	
	K2	US-5632011	05-20-1997	Landfield et al.	
	L2	US-5634053	05-27-1997	Noble et al.	
	M2	US-5644354	07-01-1997	Thompson et al.	
	N2	US-5647002	07-08-1997	Brunson	
	O2	US-5652884	07-29-1997	Palevich	
	P2	US-5657390	08-12-1997	Elgamal et al.	
	Q2	US-5664207	09-02-1997	Crumpler et al.	
	R2	US-5666530	09-09-1997	Clark et al.	
	S2	US-5675782	10-07-1997	Montague et al.	

	FOREIGN PATENT DOCUMENTS								
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Initials*		Country	Code ³ Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<u>'</u>		
	T2	WO	97/35265	09-25-1997	Lim et al.				
	U2	WO	99/05620	02-04-1999	Mendez				
-	V2	WO	99/45451	09-10-1999	Halim et al.				
	W2	JР	02000003314	01-07-2000	Oda				
	X2	EP	0820028	01-21-1998	Anupam et al.				

Examiner Signature	Date	
	Considered	

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				Application Number	08/841,950	
INFORMATION DISCLOSURE				Filing Date	04/08/1997	
ST	STATEMENT BY APPLICANT			First Named Inventor	Riggins, Mark D.	
				Art Unit	2135	
	(Use as many sheets as necessary)			Examiner Name	Truong, Thanhnga B.	
Sheet	3	of	18	Attorney Docket Number	25587-033-004	

·· <u>·</u>			U.S. PATENT D	OCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*		Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A3	US-5678039	10-14-1997	Hinks et al.	
	B3	US-5680542	10-21-1997	Mulchandani	
	C3	US-5682478	10-28-1997	Watson et al.	
	D3	US-5684984	11-04-1997	Jones et al.	
	E3	US-5684951	11-04-1997	Goldman et al.	
	F3	US-5687322	11-11-1997	Deaton	
	G3	US-5701400	12-23-1997	Amado	
	Н3	US-5710922	01-20-1998	Alley et al.	
	J3	US-5713019	01-27-1998	Keaten	
	K3	US-5717925	02-10-1998	Harper et al.	
	L3	US-5721779	02-24-1998	Funk	
	M3	US-5727202	03-10-1998	Kucala	
	N3	US-5729735	03-17-1998	Meyering	
	O3	US-5742668	04-21-1998	Pepe et al.	
	P3	US-5752059	05-12-1998	Holleran et al.	
	Q3	US-5752246	05-12-1998	Rogers et al.	
	R3	US-5754830	05-19-1998	Butts et al.	
	S3	US-5758150	05-26-1998	Bell et al.	

			FOREIGN	PATENT DOCU	MENTS		
Examiner Initials*	1	F	oreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	⊤ 6
	Cite No.1	Country	Code ³ Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document		<u>'</u>
	T3	wo	96/17306	06-06-1996	Laursen et al.		
	U3	wo	00/22543	04-20-2000	Hong		
	V3	PCT	2002/0174372	11-21-2002	Venkataraman		
	W3	PCT	2002/0138599	09-26-2002	Dilman et al.		
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Sul	Substitute for form 1449A/PTO			Complete if Known		
				Application Number	08/841,950	
INFORMATION DISCLOSURE			OSURE	Filing Date	04/08/1997	
ST	STATEMENT BY APPLICANT			First Named Inventor	Riggins, Mark D.	
				Art Unit	2135	
(Use as many sheets as necessary)			necessary)	Examiner Name	Truong, Thanhnga B.	
Sheet	4	of	18	Attorney Docket Number	25587-033-004	

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	A4	US-5758354	05-26-1998	Huang et al.		
	B4	US-5758355	05-26-1998	Buchanan		
	C4	US-5764902	06-09-1998	Rothrock		
	D4	US-5765171	06-09-1998	Gehani et al.		
	E4	US-5768510	06-16-1998	Gish		
	F4	US-5706427	06-27-1996	Tabuki		
	G4	US-5784463	07-21-1998	Chen et al.		
	H4	US-5784464	07-21-1998	Akiyama et al.		
·	J4	US-5787172	07-28-1998	Arnold		
	K4	US-5790974	08-04-1998	Tognazzini		
	L4	US-5794252	08-11-1998	Mosher		
	M4	US-5799086	08-25-1998	Sudia		
	N4	US-5802530	09-01-1998	Van Hoff		
	O4	US-5812398	09-22-1998	Nielsen		
	P4	US-5812668	09-22-1998	Weber		
	Q4	US-5812773	09-22-1998	Norin		
	R4	US-5815683	09-29-1998	Vogler		
	S4	US-5818935	10-06-1998	Maa		

	FOREIGN PATENT DOCUMENTS						
Examiner		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	т6	
Initials*	Cite No.1	Country Code ³ Number ⁴ -Kind Code ^{5 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Ĺ	
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Examiner Signature	Date Considered		

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Substitute for form 1449A/PTO			PTO	Complete if Known		
	NFORMATI	ON DIS	SCLOSURE	Application Number Filing Date	08/841,950 04/08/1997	
9	STATEMEN	T BY A	PPLICANT	First Named Inventor	Riggins, Mark D.	
				Art Unit	2135	
Sheet	5	of	18	Attorney Docket Number	25587-033-004	

	U.S. PATENT DOCUMENTS						
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	A5	US-5828840	10-27-1998	Cowan et al.			
	B5	US-5832483	11-03-1998	Barker			
	C5	US-5835087	11-10-1998	Herz et al.			
	D5	US-5835601	11-10-1998	Shimbo et al.			
	E5	US-5845282	12-01-1998	Alley et al.			
	F5	US-5862325	01-19-1999	Reed et al.			
	G5	US-5862346	01-19-1999	Kley et al.			
	H5	US-5870544	02-09-1999	Curtis			
	J5	US-5870759	02-09-1999	Bauer et al.			
	K5	US-5870765	02-09-1999	Bauer et al.			
	L5	US-5878230	03-02-1999	Weber et al.			
	M5	US-5909689	06-01-1999	Van Ryzin			
	N5	US-5924103	07-13-1999	Ahmed et al.			
-	O5	US-5928329	07-27-1999	Clark et al.			
	P5	US-5943676	08-24-1999	Boothby			
	Q5	US-5951652	09-14-1999	Ingrassia Jr. et al.			
	R5	US-5961590	10-05-1999	Mendez et al.			
	S5	US-5966714	10-12-1999	Huang et al.			

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	A6	US-5968131	10-19-1999	Mendez et al.			
	B6	US-5974238	10-26-1999	Chase, Jr.			
	C6	US-5982898	11-09-1999	Hsu et al.			
	D6	US-5987609	11-16-1999	Hasebe			
	E6	US-5999932	12-07-1999	Paul			
	F6	US-5999947	12-07-1999	Zollinger et al.			
	G6	US-6006017	12-21-1999	Joshi et al.			
	Н6	US-6020885	02-01-2000	Honda			
	J6	US-6021427	02-01-2000	Spagna et al.			
	K6	US-6023700	02-08-2000	Owens et al.			
	L6	US-6023708	02-08-2000	Mendez et al.			
	M6	US-6034621	03-07-2000	Kaufman			
	N6	US-6052735	04-18-2000	Ulrich et al.			
	O6	US-6073165	06-06-2000	Narasimhan et al.			
	P6	US-6094477	07-25-2000	Nada et al.			
	Q6	US-6125281	07-25-2000	Wells et al.			
	R6	US-6108691	08-22-2000	Lee et al			
	S6	US-6108709	08-22-2000	Shinomura et al.			

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	A7	US-6118856	09-12-2000	Paarsmarkt et al.	- I garas y pos		
	В7	US-6131116	10-10-2000	Riggins et al.			
	C7	US-6131096	10-10-2000	Ng et al.			
	D7	US-6138146	10-24-2000	Moon et al.			
	E7	US-6151606	11-21-2000	Mendez			
	F7	US-6154844	11-28-2000	Touboul et al.			
	G7	US-6169986	01-02-2001	Bowman et al.			
	H7	US-6182118	01-30-2001	Finney et al.			
	J7	US-6212529	04-03-2001	Boothby et al.			
	K7	US-6249805	06-19-2001	Fleming			
	L7	US-6295541	09-25-2001	Bodnar et al.			
	M7	US-6304881	10-16-2001	Halim et al.			
	N7	US-6311186	10-30-2001	Melampy et al.			
	07	US-6324542	11-27-2001	Wright, Jr. et al.			
	P7	US-6334140	12-25-2001	Kawamata			
	Q7	US-6343313	01-29-2002	Salesky et al.			
	R7	US-6389455	05-14-2002	Fuisz			
	S7	US-6438583	08-20-2002	McDowell et al.			

		FOREIGN	PATENT DOCUM	IENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ -Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
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Substitute for form 1449A/PTO			Complete if Known		
			Application Number	08/841,950	
NFORMAT	TON DISCLO	DSURE	Filing Date	04/08/1997	
STATEMENT BY APPLICANT			First Named Inventor	Riggins, Mark D.	
			Art Unit	2135	
(Use as	s many sheets as r	ecessary)	Examiner Name	Truong, Thanhnga B.	
8	of	18	Attorney Docket Number	25587-033-004	
	NFORMAT TATEMEN	NFORMATION DISCLO TATEMENT BY APPL (Use as many sheets as n	NFORMATION DISCLOSURE TATEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number Filing Date First Named Inventor Art Unit (Use as many sheets as necessary) Examiner Name	Application Number 08/841,950 Filing Date 04/08/1997 First Named Inventor Riggins, Mark D. Art Unit 2135 (Use as many sheets as necessary) Examiner Name Truong, Thanhnga B.

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	A8	US-6446090	09-03-2002	Hart			
	B8	US-6477545	11-05-2002	LaRue			
	C8	US-6510455	01-21-2003	Chen et al.			
	D8	US-6564218	05-13-2003	Roth			
	E8	US-6631416	10-07-2003	Bendinelli et al.			
	F8	US-6697942	02-24-2004	L'Heureux et al.			
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	P8						
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	R8						
	S8						

	FOREIGN PATENT DOCUMENTS							
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Initials* Cite N		Country Code ³ Number ⁴ -Kind Code ^{5 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<u>'</u>		

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Substitute for form 1449A/PTO Complete if Known Application Number 08/841,950 INFORMATION DISCLOSURE 04/08/1997 Filing Date STATEMENT BY APPLICANT First Named Inventor Riggins, Mark D. 2135 Art Unit (Use as many sheets as necessary) **Examiner Name** Truong, Thanhnga B. Attorney Docket Number 25587-033-004 1 Ω Shoot

Sheet	heet 9 of 18 Attorney Docket Number 25587-033-004								
				NON PATENT LITER	RATURE DOCUME	NTS			
Examiner Initials*	Cite No. ¹		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city						
	A9	Rade	osevich, Li	nda, "Users want unified m	ail directories," Co	omputerworld, Aug	ust 30, 1993, p. 12		
	В9	Brun	o, Charles,	"Firm pushes E-mail limits bey	ond rivals'," Netwo	rk World, August 12,	1991, pp. 33, 53		
	С9	Sliw	a, Carol and	Cole, Barb, "MESA declares	a groupware detente,	"Network World, A	ugust 5, 1996, p. 29		
	D9	D9 Grosse, Eric, "Repository Mirroring," ACM Transactions on Mathematical Software, Vol. 21, No. 1, March, 1995, pp. 89-97							
	E9		Schilit, Bill N. and Theimer, Marvin M., "Disseminating Active Map Information to Mobile Hosts," IEEE Network, September/October 1994, pp. 22-32						
	F9	Levy, Eliezer and Silberschatz, Abraham, "Distributed File Systems: Concepts and Examples," ACM Computing Surveys, Vol. 22, No. 4, December 1990, pp. 321-74							
	G9	Rym	Rymer, John R., "The Muddle in the Middle," Byte, April 1996, pp. 67-70						
	Н9	Baum, David, "Intranet Politics and Technologies," Byte, May 1997, pp. 88A-88H							
	19	Udel	Udell, Jon, "Push Me, Pull You," Byte, September 1996, pp. 117-120						
	Ј9	Kade	Kador, John, "The Ultimate Middleware," Byte, April 1996, pp. 79-83						
Examine	er Signatu	ıre			.	Date Considered			

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Substitute for form 1449A/PTO Complete if Known 08/841,950 Application Number INFORMATION DISCLOSURE 04/08/1997 Filing Date Riggins, Mark D. STATEMENT BY APPLICANT First Named Inventor 2135 Art Unit Truong, Thanhnga B. (Use as many sheets as necessary) Examiner Name 25587-033-004 Attorney Docket Number Sheet 10 18

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T ²
	A10	Brown, Mark, "Using Netscape 2," Que Corporation, 1995, pp. 885-907	
	B10	Kramer, Douglas, "The Java Platform," Javasoft, May 1996, pp. 1-25	
	C10	Package java.applet; java.net, http://www-nrg.ee.lbl.gov/j4/apibook/javaf.htm, javam.htm, 4/22/96	
•	D10	Servlet Tutorial, http://mech.postech.ac.kr/Java/java.sun.com/products/jeeves/current release/doc/servlet_tutorial/servlet_tutorial.html	
	E10	Freier et al., entitled "The SSL Protocol, Version 3.0," Netscape Communications, dated November 18, 1996, pages 1-59, Downloaded from URL=http://www.home.netscape.com/eng/ss13/draft302.txt	
	F10	Java Servlet Application Programming Interface White Paper, http://mech.postech.ac.kr/Java/java.sun.com/products/jeeves/CurrentRelease/doc/api.html, August 1996, pp. 1-6	
	G10	Singhal, M., "Update transport: A new technique for update synchronization in replicated database systems," IEEE Transactions on Software Engineering, Vol. 16, No. 12, December 1990, pp 1325-1336	
	H10	Rao, H. & Skarra, A., "A transparent service for synchronized replication across loosely-connected file systems," IEEE Transactions on Software Engineering, April 1995, pp 110-117	
	110	Crispin, M., "Internet Message Access Protocol - RFC 1730 Version 4," December 1994, pp 1 -52, http://www.faqs.org/rfcs/rfc1730.html	
	J10	Rao, Venkat & Aline, Mary, "Burrowing through firewalls," December 1996, pp 1-5, http://java.sun.com/developer/technicalArticles/InnerWorkings/Burrowing/	

Examiner Signature	Date Cons	idered	

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				Complete if Known		
Substitute for form 1449A/PTO				Application Number	08/841,950	
				Filing Date	04/08/1997	
INI	FORMAT	ION DI	SCLOSURE	First Named Inventor	Riggins, Mark D.	
ST	ATEMEN	T BY A	PPLICANT	Art Unit	2135	
• • • • • • • • • • • • • • • • • • • 				Examiner Name	Truong, Thanhnga B.	
Sheet	11	of	18	Attorney Docket Number	25587-033-004	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T²
	A11	Brown, Margaret J., "The Visto Briefcase Pro Puts Your PIM On The Internet," August 13, 1998, 1 page, URL:http://www.zdnet.com/zdnn/stories/zdnn_display/0,3440,341892,00.html	
	B11	Tanenbaum, Andrew, "Computer Networks," Third Edition, Prentice-Hall, 1996, see entire document.	
	C11	Knudsen, Jonathan, "Java Cryptography," O'Reilly, 1998, p. 79-91, 112, 160.	
	D11	Verisign Press Release, "Verisign Enhances Digital IDS to Enable Universal Website Login and One-step Registration," <www.verisign.com isv.html="" press="" product="">, especially 2nd paragraph.</www.verisign.com>	
	E11	Crispin, M., "IMAP4 Compatibility With IMAP2BIS", Network Working Group RFC 2061, December 1996, XP002154026, <url:http: rfc2061="" www.imc.org="">, retrieved 2000-11-28, page 1, last paragraph</url:http:>	
.,,=	F11	"Configuration of a wireless-connected mobile computer," IBM Technical Disclosure Bulletin, US, IBM Corp., New York, vol. 38, no. 4, April 1, 1995, pp. 15-17, XP000516057, ISSN: 0018-8689, the whole document	
	G11	Mason, Justin, "Tunneling over HTTP," December 11, 1996, pp 1-2 http://www.netsys.com/firewalls/firewalls-9612/0488.html	
	H11	Elgamal, Taher, "The Secure Sockets Layer Protocol (SSL)," agenda for the Danvers IETF meeting, April 1995, pp 1-5 - http://www.ietf.cnri.reston.va.us/proceedings/95apr/sec/cat.elgamal.slides.html	

Examiner Signature	Date Considered
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Complete if Known Substitute for form 1449A/PTO Application Number 08/841,950 Filing Date 04/08/1997 INFORMATION DISCLOSURE First Named Inventor Riggins, Mark D. STATEMENT BY APPLICANT Art Unit 2135 **Examiner Name** Truong, Thanhnga B. 25587-033-004 Attorney Docket Number Sheet of 18 12

	-	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T²
	A12	Research Disclosure: "Provide Auto-Forwarding Based On Criteria Selected by the User"; October 1, 1989; 1 page; No. 306; Kenneth Mason Publications; XP000085405; ISSN 0374-4353	
	B12	Chan, M.C. et al., "Application of Compaction Technique to Optimizi ng Wireless Email Transfer," IEEE Wireless Communications and Networking Conference 1999, p. 1535 Section A	
	C12	Crispin, M., "Internet Message Access Protocol Version 4rev1," 1996 Section 2.3.1.1	
	D12	Jaeger and Prakash, "Implementation of a Discretionary Access Control Model for Script-based Systems," IEEE June 1995	
	E12	Adams, Charlotte, "Multilevel Secure Networking Charges Ahead," Federal Computer Week, April 12, 1993	
	F12	Kohl, John, "The Evolution of the Kerberos Authentication Service," 1991	
	G12	Young et al., "Deniable Password Snatching: On the Possibility of Evasive Electronic Espionage," 1997, IEEE, pp. 224-35	
	H12	Abel, Amee, "E-mail anywhere," May 1998, Time, pp. 1-4	
	I12	Satyanarayanan, M., "Integrating Security in a Large Distributed System," ACM Transactions on Computer Systems, Vol. 7, No. 3, August 1989, pp. 247-80.	

Examiner Signature	Date	
	Considered	

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	Substitute for form 1449A/PTO			Complete	e if Known	_
s	ubstitute for for	m 1449A	PTO	Application Number	08/841,950	
:				Filing Date	04/08/1997	
l II	NFORMATI	ON DIS	SCLOSURE	First Named Inventor	Riggins, Mark D.	
l s	TATEMEN'	T BY A	PPLICANT	Art Unit	2135	
				Examiner Name	Truong, Thanhnga B.	
Sheet	13	of	18	Attorney Docket Number	25587-033-004	

Examiner Initials* Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, includes) 17	• .	·	NON PATENT LITERATURE DOCUMENTS	
on Computer Systems, Vol. 10, No. 1, February 1992, pp. 3-25. B13 Hills, Alex and Johnson, David B., "Wireless Data Network Infrastructure at Carnegie Mellon University," IEEE Personal Communications, 3(1), February 1996. C13 Satyanarayanan, Mahadev, "Mobile Information Access," IEEE Personal Communications, February 1996, pp. 26-33. D13 Satyanarayanan, Mahadev et al., "Coda: A Highly Available File System for a Distributed Workstation Environment," IEEE Transactions on Computers, Vol. 39, No. 4, April 1990, pp. 447-59. E13 Satyanarayanan, Mahadev, "Scalable, Secure, and Highly Available Distributed File Access," Computer, May 1990, pp. 9-21. F13 Mummert, Lily B. et al., "Exploiting Weak Connectivity for Mobile File Access," SIGOPS '95, December 1995, pp. 143-55. G13 Terry, Douglas B. et al., "Managing Update Conflicts in Bayou, a Weakly Connected Replicated Storage System," SIGOPS '95, December 1995, pp. 172-183. H13 Demers, Alan et al., "The Bayou Architecture: Support for Data Sharing among Mobile Users," Proceedings of the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. 113 Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.			Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T ²
Personal Communications, 3(1), February 1996. C13 Satyanarayanan, Mahadev, "Mobile Information Access," IEEE Personal Communications, February 1996, pp. 26-33. D13 Satyanarayanan, Mahadev et al., "Coda: A Highly Available File System for a Distributed Workstation Environment," IEEE Transactions on Computers, Vol. 39, No. 4, April 1990, pp. 447-59. E13 Satyanarayanan, Mahadev, "Scalable, Secure, and Highly Available Distributed File Access," Computer, May 1990, pp. 9-21. F13 Mummert, Lily B. et al., "Exploiting Weak Connectivity for Mobile File Access," SIGOPS '95, December 1995, pp. 143-55. G13 Terry, Douglas B. et al., "Managing Update Conflicts in Bayou, a Weakly Connected Replicated Storage System," SIGOPS '95, December 1995, pp. 172-183. H13 Demers, Alan et al., "The Bayou Architecture: Support for Data Sharing among Mobile Users," Proceedings of the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. 113 Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.	·	A13		
26-33. D13 Satyanarayanan, Mahadev et al., "Coda: A Highly Available File System for a Distributed Workstation Environment," IEEE Transactions on Computers, Vol. 39, No. 4, April 1990, pp. 447-59. E13 Satyanarayanan, Mahadev, "Scalable, Secure, and Highly Available Distributed File Access," Computer, May 1990, pp. 9-21. F13 Mummert, Lily B. et al., "Exploiting Weak Connectivity for Mobile File Access," SIGOPS '95, December 1995, pp. 143-55. G13 Terry, Douglas B. et al., "Managing Update Conflicts in Bayou, a Weakly Connected Replicated Storage System," SIGOPS '95, December 1995, pp. 172-183. H13 Demers, Alan et al., "The Bayou Architecture: Support for Data Sharing among Mobile Users," Proceedings of the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. I13 Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.		B13		
Environment," IEEE Transactions on Computers, Vol. 39, No. 4, April 1990, pp. 447-59. E13 Satyanarayanan, Mahadev, "Scalable, Secure, and Highly Available Distributed File Access," Computer, May 1990, pp. 9-21. F13 Mummert, Lily B. et al., "Exploiting Weak Connectivity for Mobile File Access," SIGOPS '95, December 1995, pp. 143-55. G13 Terry, Douglas B. et al., "Managing Update Conflicts in Bayou, a Weakly Connected Replicated Storage System," SIGOPS '95, December 1995, pp. 172-183. H13 Demers, Alan et al., "The Bayou Architecture: Support for Data Sharing among Mobile Users," Proceedings of the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. 113 Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.		C13		
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System," SIGOPS '95, December 1995, pp. 172-183. H13 Demers, Alan et al., "The Bayou Architecture: Support for Data Sharing among Mobile Users," Proceedings of the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. 113 Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.		F13		
the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-7. Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.		G13		
ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.		H13	the Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, December 1994, pages 2-	
J13 Crocker, David H., "RFC822: Standard for ARPA Internet Text Messages," http://www.w3.org/Protocols/rfc822/		I13	Petersen, Karin et al., "Bayou: Replicated Database Services for World-wide Applications," Proceedings Seventh ACM SIGOPS European Workshop (EuroSIGOPS '96), Connemara, Ireland, September 1996, pages 275-280.	
		J13	Crocker, David H., "RFC822: Standard for ARPA Internet Text Messages," http://www.w3.org/Protocols/rfc822/	

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Complete if Known Substitute for form 1449A/PTO Application Number 08/841,950 Filing Date 04/08/1997 INFORMATION DISCLOSURE First Named Inventor Riggins, Mark D. STATEMENT BY APPLICANT 2135 Art Unit **Examiner Name** Truong, Thanhnga B. 25587-033-004 Attorney Docket Number Sheet 18 14 of

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T²
	A14	Theisen, Tim, "AFS distributed filesystem FAQ (1/2)," posted to uwisc.general newsgroup, July 25, 1994.	
	B14	Theisen, Tim, "AFS distributed filesystem FAQ (2/2)," posted to uwisc.general newsgroup, July 25, 1994.	
	C14	Schubert, Eric, "Re: telnet/internet and," posted to comp.sys.hp.mpe newsgroup, June 30, 1995.	
	D14	Glazman, Daniel, "SOFTWARE: HHTPtool [sic] 1.1, a file transfer utility over HTTP using PUT and GET," posted to comp.infosystems.www.announce newsgroup, May 17, 1995.	
	E14	Glazman, Daniel, "SOFTWARE: HTTPtool v1.0 for Windows3.x, file transfer utility over HTTP," posted to comp.infosystems.www.announce newsgroup, March 21, 1996.	
	F14	Angus, Jeffrey G., "Sales force automation has a GoldMine," Computerworld, October 7, 1996, p. 59	
	G14	Salamone, Salvatore, "Middle(ware) Management," Byte, April 1996, pp. 71-76	
	H14	Nance, Barry, "Balance the Load with Transaction Server," Byte, June 1997, pp. 81-84	
	I14	Francett, Barbara, "Replication on the Run," Software Magazine, August 1996, pp. 63-66	
	J14	Darling, Charles B., EDA/SQL Loses a Little and Gains a Lot," Datamation, May 1, 1996, p. 12	
	K14	Varney, Sarah E., "Arm your salesforce with the Web," Datamation, October 1996, pp. 72-74	
	L14	Fulcher, Jim, "Is it or isn't it?," Manufacturing Systems, October 1996, pp. 56-61	
	M14	Lamb, John and Cusato, Tony, "LAN-Based Office for the Enterprise, A Case Study," Proceedings, 19th Conference on Local Computer Networks, Minneapolis, Minnesota, October 2-5, 1994, pp. 440-447	
	N14	Kawell Jr., Leonard et al., "Replicated Document Management In A Group Communication System," presented at the Second Conference on Computer-Supported Cooperative Work, Portland, Oregon, September 26-28, 1988, as printed in Groupware: Software for Computer-Supported Cooperative Work, IEEE Computer Society Press, pp. 226-235	

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			Complete	e if Known		
	Substitute for form 1449A/F	РΤΟ	Application Number	08/841,950		
			Filing Date	04/08/1997		
	INFORMATION DIS	CLOSURE	First Named Inventor	Riggins, Mark D.		
	STATEMENT BY AI	PPLICANT	Art Unit	2135		
			Examiner Name	Truong, Thanhnga B.		
Sheet	15 of	18	Attorney Docket Number	25587-033-004		

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	A15	Hong, Jack et al., "Personal Electronic Notebook with Sharing," Proceedings of the Fourth Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, Berkeley Springs, West Virginia, April 20-22, 1995, pp. 88-94	
	B15	Mace, Scott, "DataSync 2.0 enhances synchronization of data," InfoWorld, June 6, 1994, p. 28	
	C15	Mace, Scott, "Database replication products debut," InfoWorld, November 15, 1993, p. 19	
	D15	Gryphon, Robert, "DataSync line matches up," InfoWorld, May 23, 1994, p. 161	
	E15	Patterson, John F. et al., "Notification Servers for Synchronous Groupware," Proceedings, ACM 1996 Conference on Computer Supported Cooperative Work, Boston, Massachusetts, November 16-20, 1996, pp. 122-129	
	F15	Zhao, Jian and Hoppe, H. Ulrich, "Supporting Flexible Communication in Heterogeneous Multi-User Environments," 1994 IEEE, pp. 442-449	
	G15	Gong, Li, "Enclaves: Enabling Secure Collaboration Over the Internet," IEEE Journal on Selected Areas in Communications, Vol. 15, No. 3, April 1997, pp. 567-575	
	H15	Bruno, Lee, "Directory Services Tie It All Together," Data Communications, March 1997, pp. 75-83	
	I15	Guy, Richard G. et al., "Implementation of the Ficus Replicated File System," Proceedings of the Summer 1990 USENIX Conference, Anaheim, California, June 11-15, 1990, pp. 63-70	
	J15	Page, Thomas W. Jr. et al., "Management of Replicated Volume Location Data in the Ficus Replicated Data System," Conference Proceedings, USENIX Summer 1991 Technical Conference, Nashville, Tennessee, June 10-14, 1991, pp. 17-29	
	K15	Reiher, Peter et al., "Resolving File Conflicts in the Ficus File System," Conference Proceedings, USENIX Summer 1994 Technical Conference, Boston, Massachusetts, June 6-10, 1994, pp. 183-195	
	L15	Walker, Bruce et al., "The LOCUS Distributed Operating System," Proceedings of the Ninth ACM Symposium on Operating Systems Principles, Bretton Woods, New Hampshire, October 10-13, 1983, pp. 49-70	
	M15	Parker, D. Stott Jr. et al., "Detection of Mutual Inconsistency in Distributed Systems," IEEE Transactions on Software Engineering, Vol. SE-9, No. 3, May 1983, pp. 240-246	

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	A16	Ceri, Stefano et al., "The Case for Independent Updates", Second Workshop on the Management of Replicated Data, Monterey, California, November 12-13, 1992, pp. 17-19	
	B16	Downing, Alan R. et al., "OSCAR: A System for Weak-Consistency Replication", Proceedings, Workshop on the Management of Replicated Data, Houston, Texas, November 8-9, 1990, pp. 26-30	
	C16	Siegel, Alex et al., "Deceit: A Flexible Distributed File System", Proceedings of the Summer 1990 USENIX Conference, Anaheim, California, June 11-15, 1990, pp. 51-61	
	D16	Chutani, Sailesh, "The Episode File System", Conference Proceedings, USENIX Winter 1992 Technical Conference, San Francisco, California, January 20-24, 1992, pp. 43-59	
	E16	Seltzer, Margo, "An Implementation of a Log-Structured File System for UNIX", Conference Proceedings, USENIX Winter 1993 Technical Conference, San Diego, California, January 25-29, 1993, pp. 307-326	
	F16	Vahalia, Uresh, "Metadata Logging in an NFS Server", Conference Proceedings, USENIX 1995 Technical Conference on UNIX and Advanced Computing Systems, New Orleans, Louisiana, January 16-20, 1995, pp. 265-276	
	G16	Lotus Development Corporation, InterNotes Web Publisher Release 4, "InterNotes Web Publisher Guide", 1996, Cambridge, MA	
	H16	Lotus Development Corporation, Lotus Notes Release 4, "Database Manager's Guide", 1995, Cambridge, MA	
	116	Lotus Development Corporation, Lotus Notes Release 4, "Administrator's Guide", 1995, Cambridge, MA	
	J116	IBM Lotus Technical Library, Lotus Documentation, "Lotus Notes Internet Cookbook for Notes Release 3", 01/16/1996, Pages 1-26 http://www-12.lotus.com/ldd/doc/domino_notes/cookbook/cbookv4,nsf/e125003289bf7b3a385256	
	K16	John Wiley & Sons, Inc. – Wiley Computer Publishing, Falkner, Mike, "How to Plan, Develop, and Implement Lotus Notes in Your Organization", 1996, USA4	
-	L16	Lotus Development Corporation, Lotus Notes Release 4, "Deployment Guide", 1995, Cambridge, MA	

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	A17	McGraw-Hill, Lamb, John P. and Lew, Peter W., "Lotus Notes Network Design for Notes Release 3 and 4", 1996, Quebecor-Fairfield, PA	
	B17	Lotus Notes, "Overview - What is Lotus NotesPump?", including "notes Pump 1.0 Release Notes"	
	C17	Lotus Development Corporation, Lotus Notes Release 3.1, The groupware standard, "Site and System Planning Guide", 1994, Cambridge, MA	
	D17	Lotus Development Corporation, Lotus Notes Release 3.1. The groupwarestandard, "Administrator's Guide Server for NetWare, OS/2, and UNIX", 1994, Cambridge, MA	
	E17	IBM Lotus Technical Library, Lotus Documentation, "Lotus Notes Internet Cookbook for Notes Release 4", 02/14/1996, Pages 1-30 http://www-12.lotus.com/ldd/doc/domino_notes/cookbook/cbookv4,nsf/e125003289bf7b3a385256	
	F17	IntelliLink Corporation, IntelliLink for Windows Release 3.0, "User's Guide", 1994, Nashua, NH	
	G17	Lotus Development Corporation, Lotus Notes Release 4, "Application Developer's Guide", 1995, Cambridge, MA	
	H17	Lotus Development Corporation, Lotus Notes Release 3.3 North American Server Edition, "Lotus Notes, the Groupware Standard", 1994, Cambridge, MA	
	117	Sams Publishing, Dahl, Andrew, "Lotus Notes 4 Administrator's Survival Guide", 1996, Indianapolis, IN	
	J17	Sams Publishing, Tmaura, et al., "Lotus Notes 4 Unleashed", 1996, Indianapolis, IN	
	K17	Advisor Publications - Lotus Notes Advisor, Pyle, Hugh, "The Notes Architecture", 1995	

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	A18	Advisor Publications - Lotus Notes Advisor, Augun, Adury, "Intergrating Lotus Notes with Enterprise Data", 1996	
	B18	Advisor Publications - Lotus Notes Advisor, Opyt, Barbara and Dale, Robert, "Use the Internet as Your Lotus Notes WAN", 1996	
	C18	Lotus Development Corporation, Lotus Notes Knowledge Base, "What is the Notes Replicator?", 1995, Cambridge, MA	
	D18	Lotus Development Corporation, Lotus Notes Knowledge Base, "Firewall Security Overview and How Firewalls Relate to Lotus Notes", 1996, Cambridge, MA	
	E18	Network Computing, Frenkel, Garry, "Pumping for Info: Notes and Databse Integration", 1996	
	F18	IBM Corporation, Hawker, et al., "Secrets to Running Lotus Notes: The Decisions No One Tells You How to Make", 1996, Research Triangle Park, NC	
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